

Appln No. 10/506,394
Amdt date September 25, 2007
Reply to Office action of June 18, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend claims 1-10 and add claims 11-18 as follows:

1. (Currently Amended) A knocked-down ~~Knocked-down~~ air filter for internal combustion engine characterized by
parts of a filtering medium and inner mesh engaged by lower rubber and upper rubber acting as a binder so that filtering medium and inner mesh are engaged integrally; and
a detachable lower housing, a perforated plate, a reinforcing pile and an upper housing which can be assembled, where parts of a filtering medium and inner mesh which have been engaged can be integrally formed into an air filter when combined with lower housing, perforated plate, reinforcing pile, and upper housing by means of locker, wherein said air filter allows for the replacement of the filtering medium and the inner mesh without replacing the perforated plate and the reinforcing pile, and wherein the perforated plate defines an outer housing of said filter that is connected to the upper and to the lower housings.
2. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 1 in which the binding between lower housing and upper housing is effected by a perforated plate by means of a hook-locking system.
3. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 1 wherein said locker comprises a clip-locking system.

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4. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 1 in which the binding between lower housing and upper housing is effected by a perforated plate by means of a thread-locking system.

5. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 1 further comprising a reinforcing spiral.

6. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine characterized by

parts of a filtering medium and inner mesh equipped with lower rubber and upper rubber which functions as a binder as well as stabilizer for the filtering medium and its consistent shape; and

a detachable lower housing, a perforated plate, an inner mesh and an upper housing:

where parts of a filtering medium, lower housing, perforated plate, inner mesh and upper housing can be assembled into an air filter by means of locker, and wherein said filter allows for the replacement of the filtering medium and the inner mesh without replacing the perforated plate, wherein the perforated plate defines an outer housing of said filter that connects to said upper and lower housings.

7. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine disclosed in claim 6 wherein the filtering medium comprises a plurality of upwardly extending folds made from filtering paper or other substances where rubbers are attached on upper and lower parts thereof in order to stabilize the shape of the filtering medium.

8. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine disclosed in claim 6 wherein said locker comprises one of a hook, clip and thread-locking systems.

9. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 6 whose lower housing and upper housing are engaged by a reinforcing means in the form of spiral or pile.

10. (Currently Amended) The knocked-down ~~Knocked-down~~ air filter for internal combustion engine defined in claim 6 wherein the filtering medium comprises a folded body and is provided with a plastic reinforcing substance wound as a ring around the filtering medium.

11. (New) An air filter for internal combustion engine comprising:
a generally cylindrical filtering medium;
an inner mesh interior of said filtering medium;
a lower binder interconnecting the filtering medium with the inner mesh;
an upper binder interconnecting the filtering medium with the inner mesh;
a perforated plate exterior of said filtering medium defining an outer housing of said air filter;
a lower housing portion covering the lower binder and coupled to a lower portion of the perforate plate; and
an upper housing portion covering the upper binder and coupled to an upper portion of the perforated plate.

12. (New) The air filter as recited in claim 11 wherein at least one of said upper and lower housing portions is detachably coupled to the perforated plate.

13. (New) The air filter as recited in claim 11 wherein the filtering medium, the inner mesh, the upper binder and the lower binder together define a unitary structure.

14. (New) The air filter as recited in claim 13 wherein said unitary structure is replaceable independent of said perforated plate.

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15. (New) The air filter as recited in claim 11 further comprising a reinforcing pile interior of said filtering medium.

16. (New) The air filter as recited in claim 15 wherein the filtering medium, the inner mesh, the upper binder and the lower binder together define a unitary structure, and wherein said unitary structure is replaceable independent of said perforate plate and said reinforcing pile.

17. (New) The air filter as recited in claim 16 wherein at least one of said upper and lower housing portions is detachably coupled to the perforated plate and to said reinforcing pile.

18. (New) The air filter as recited in claim 15 wherein each of said upper and lower housing portions interfaces with a corresponding binder, the perforate plate and the reinforcing pile.